

SINGLE-STRANDED TARGET

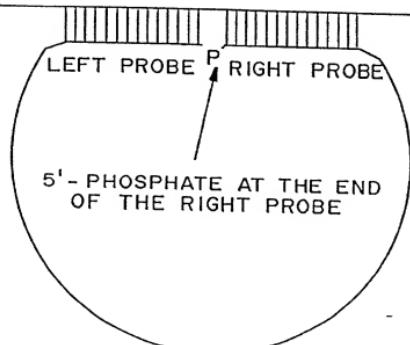


FIG. 1

SINGLE-STRANDED TARGET

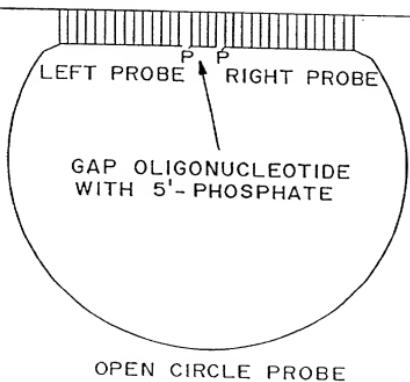


FIG. 2

1000-998-996-994-992-990

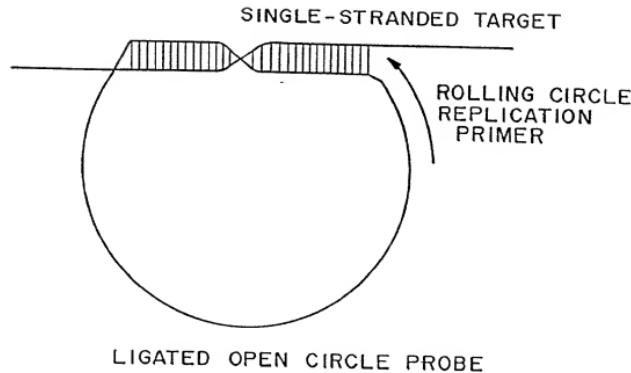


FIG. 3

ROLLING CIRCLE AMPLIFICATION

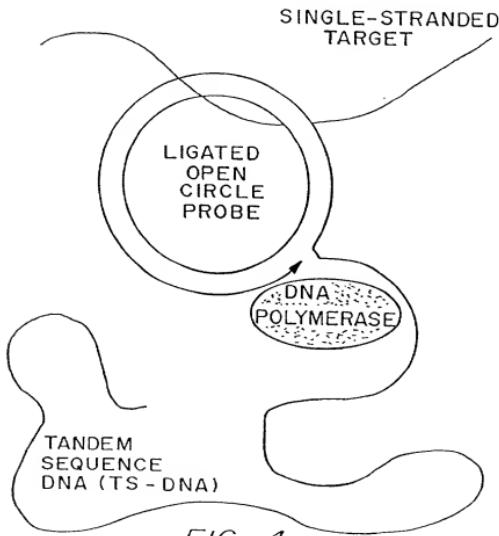
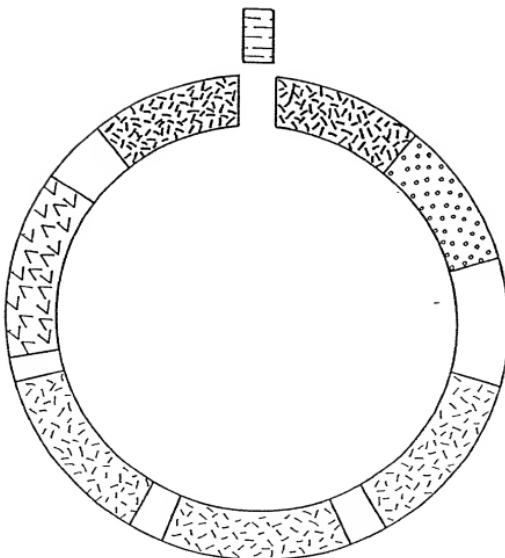


FIG. 4

10038876-03740001

OPEN CIRCLE PROBE



-  = TARGET PROBE (LEFT AND RIGHT TARGET PROBES)
-  = PROMOTER
-  = PRIMER COMPLEMENT
-  = DETECTION TAGS (OR SECONDARY TARGETS)
-  = GAP OLIGONUCLEOTIDE

FIG. 5

10032718-016202

ADDRESS PROBE HYBRIDIZING TO TS-DNA PORTION
BRIDGING GAP OLIGONUCLEOTIDE AND TARGET PROBE ENDS

HYBRIDIZATION OF TS-DNA AND ADDRESS PROBE

3' -ACAGACGACGGGAGACATAA**GGAA**CGGACAGGTCCCTAGACGAG - 5'
 |||||
 GTATT**CCTT**GCCTG - 3' TS-DNA
 /
 5' -TTTTTTTTTTTTTTT- ADDRESS PROBE

FIG. 6

DETECTION PROBES WITH FLUORESCENT LABELS

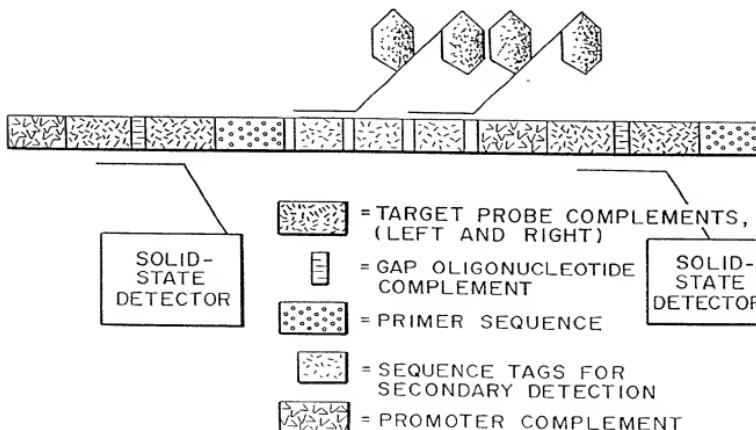


FIG. 7

LM-RCA FOLLOWED BY TRANSCRIPTION

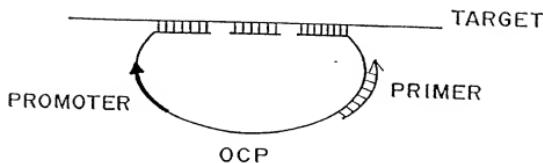
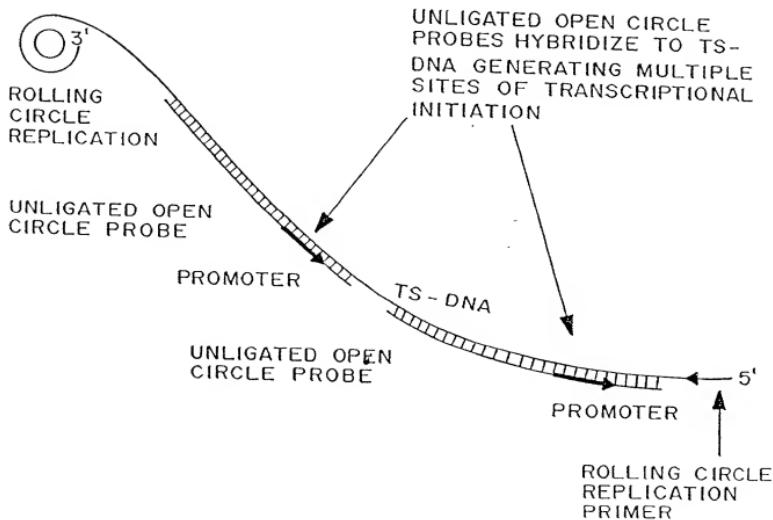


FIG. 8

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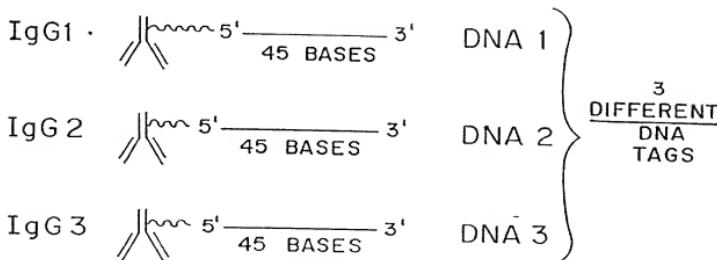
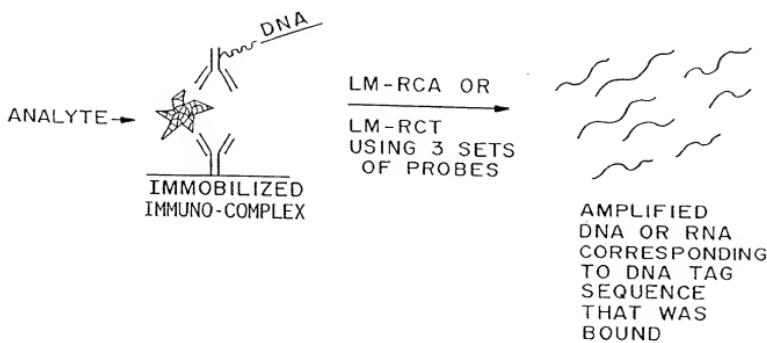
REPORTER ANTIBODIESASSAY

FIG. 9

FIG. 10

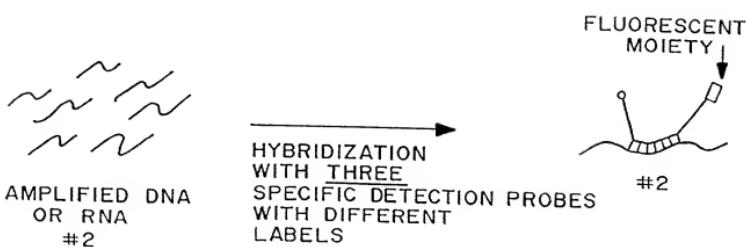
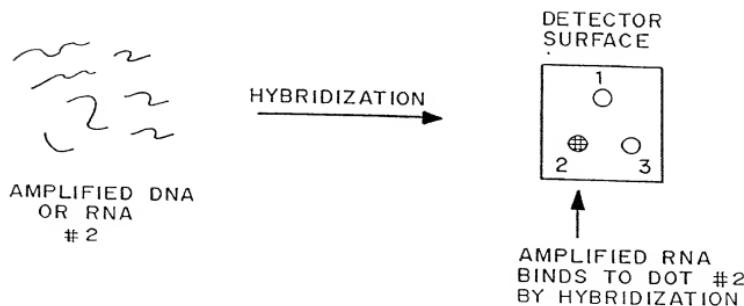
DETECTION EXAMPLEDETECTION EXAMPLE

FIG. 11a

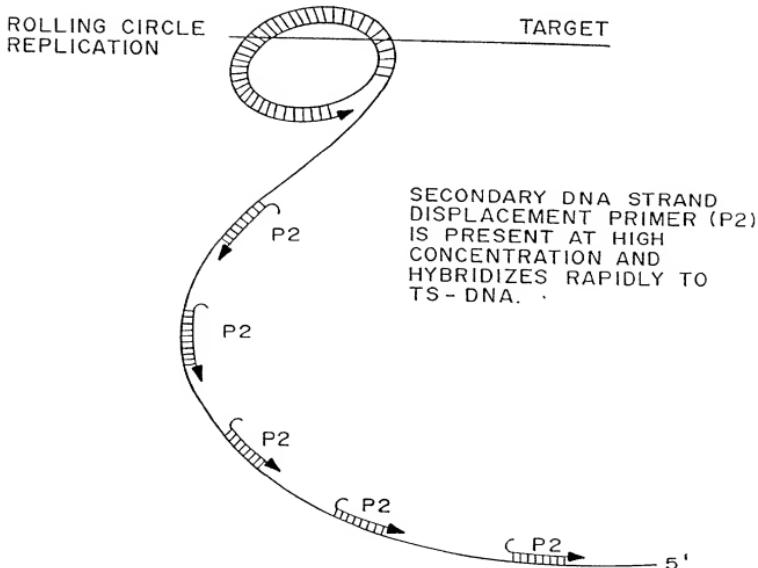
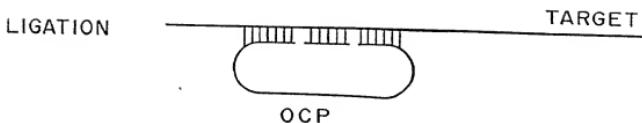
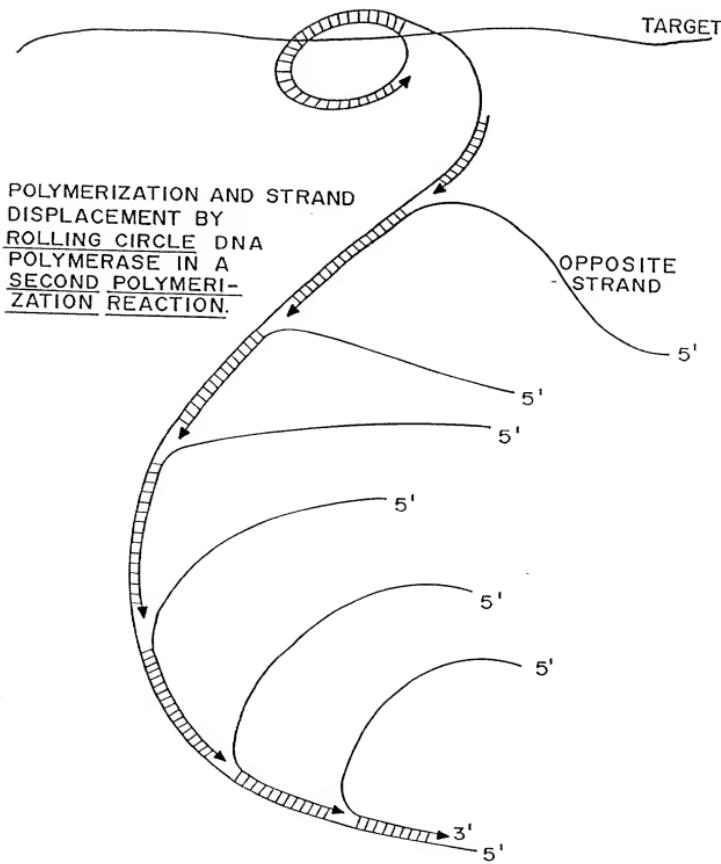
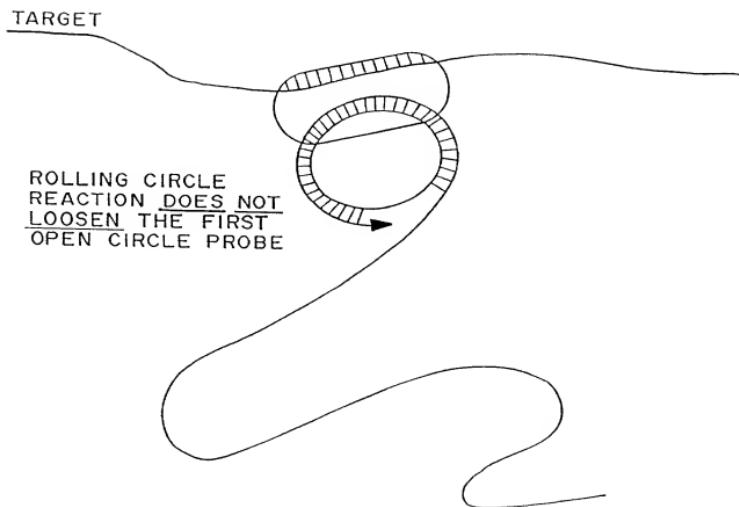
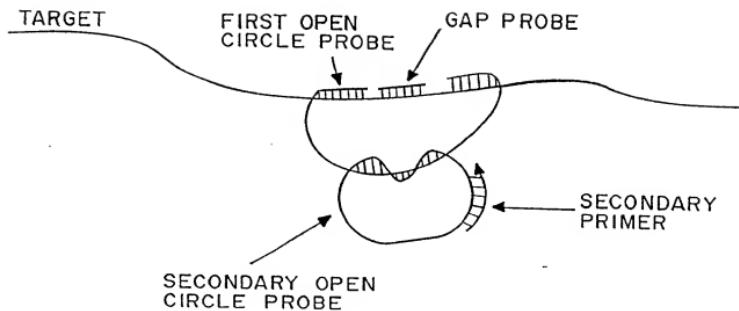


FIG. 11b



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FIG. 12



STRAND DISPLACEMENT CASCADE REACTION

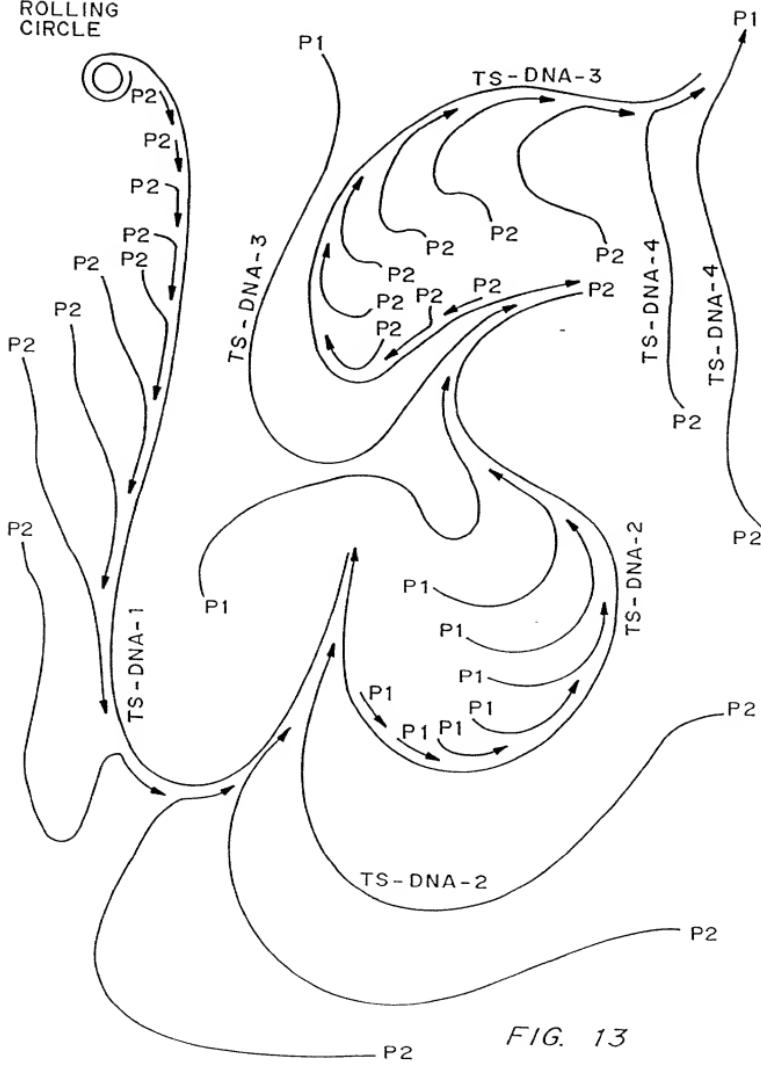
ROLLING
CIRCLE

FIG. 13

OPPOSITE STRAND AMPLIFICATION

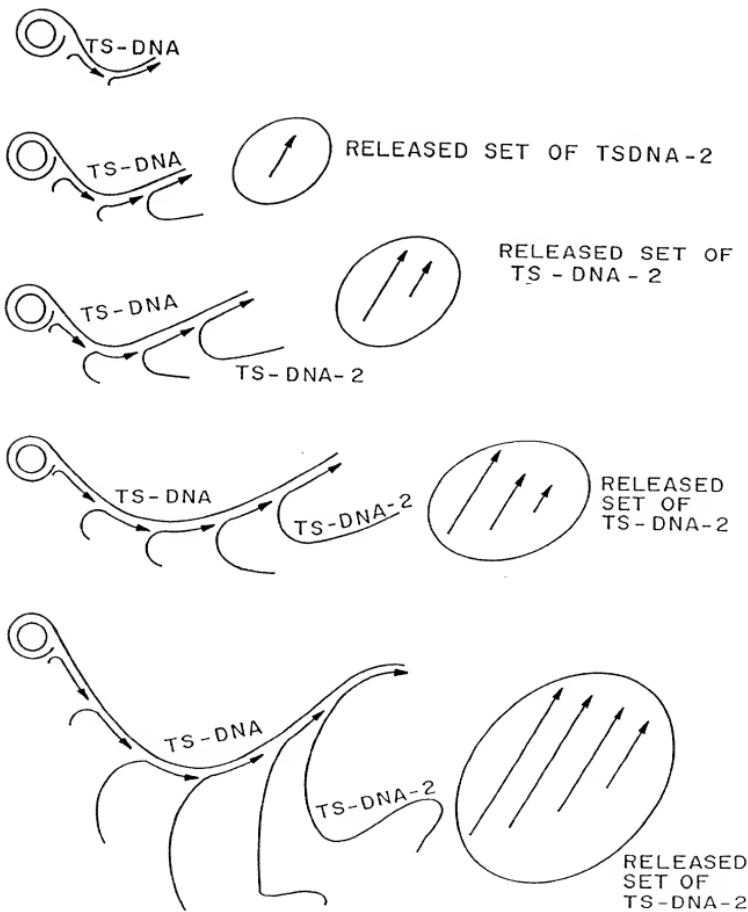


FIG. 14